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Centro De Ciencias Básicas

Departamento De Sistemas Electrónicos

Sistemas Operativos

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Ing. en Sistemas Computacionales 3°C

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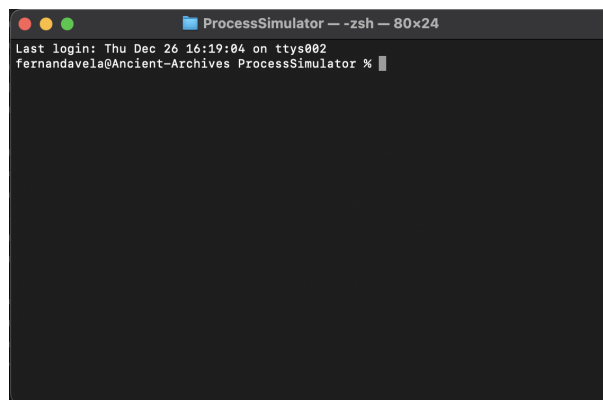
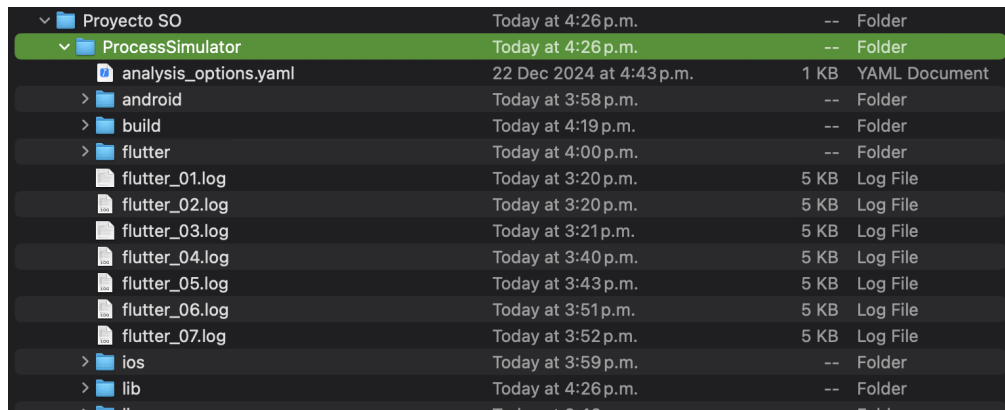


User manual

▼ Type

Permanent

Please open the zip folder or download the program from the git that you were shared. When this is done processing please open the **terminal** or **windows powershell** at the root of the project: **ProcessSimulator**.



Please verify that your flutter extension is fully operational. You can do this by running **flutter doctor -v**, you can also prevent any hiccups by running **flutter clean** or **flutter pub cache repair**.

After you have made sure that the flutter is active and running you can now start the project by running **flutter run**.

```
Process Simulator — dart --packages=/Users/fernandavela/flutter/flutter/...
fernandavela@Ancient-Archives Process Simulator % flutter run
Connected devices:
macOS (desktop) • macos • darwin-arm64 • macOS
14.4.1 23E224 darwin-arm64
Mac Designed for iPad (desktop) • mac-designed-for-ipad • darwin • macOS
14.4.1 23E224 darwin-arm64
Chrome (web) • chrome • web-javascript •
Google Chrome 131.0.6778.205

No wireless devices were found.

[1]: macOS (macos)
[2]: Mac Designed for iPad (mac-designed-for-ipad)
[3]: Chrome (chrome)
Please choose one (or "q" to quit):
```

Then please select the **third option (3)** that will launch the application on chrome.

```
Process Simulator — dart --packages=/Users/fernandavela/flutter/flutter/...
fernandavela@Ancient-Archives Process Simulator % flutter run
Connected devices:
macOS (desktop) • macos • darwin-arm64 • macOS
14.4.1 23E224 darwin-arm64
Mac Designed for iPad (desktop) • mac-designed-for-ipad • darwin • macOS
14.4.1 23E224 darwin-arm64
Chrome (web) • chrome • web-javascript •
Google Chrome 131.0.6778.205

No wireless devices were found.

[1]: macOS (macos)
[2]: Mac Designed for iPad (mac-designed-for-ipad)
[3]: Chrome (chrome)
Please choose one (or "q" to quit): 3
Launching lib/main.dart on Chrome in debug mode...
Waiting for connection from debug service on Chrome...
```

If the application is correct and everything is running smoothly you should see this:

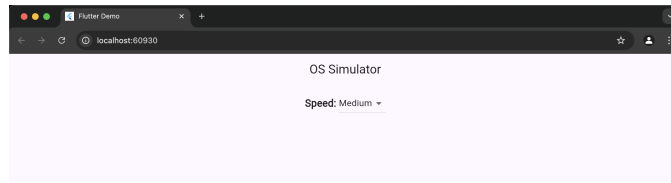
```
[3]: Chrome (chrome)
Please choose one (or "q" to quit): 3
Launching lib/main.dart on Chrome in debug mode...
Waiting for connection from debug service on Chrome... 9.2s
This app is linked to the debug service: ws://127.0.0.1:60611/MGTuIZMC2zE=/ws
Debug service listening on ws://127.0.0.1:60611/MGTuIZMC2zE=/ws

🔥 To hot restart changes while running, press "r" or "R".
For a more detailed help message, press "h". To quit, press "q".

A Dart VM Service on Chrome is available at: http://127.0.0.1:60611/MGTuIZMC2zE=
Memory blocks status:
Size: 1024 KB, Free: 1
Size: 512 KB, Free: 2
Size: 256 KB, Free: 4
Size: 128 KB, Free: 8
Size: 64 KB, Free: 16
Size: 32 KB, Free: 32

The Flutter DevTools debugger and profiler on Chrome is available at:
http://127.0.0.1:9101?uri=http://127.0.0.1:60611/MGTuIZMC2zE=
```

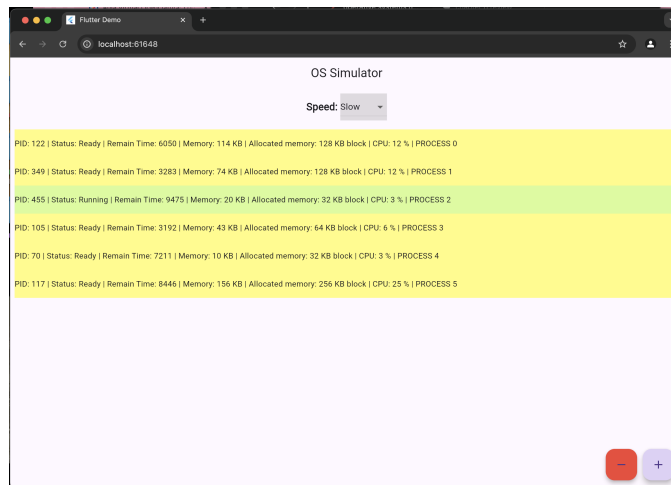
This will also open the chrome web browser of the application. The three main things that you should note are the speed dial, add button and the stop button. The **speed dial** is located in the **center top part of the screen** and will help **modify the rate at which the processes appear when added**.



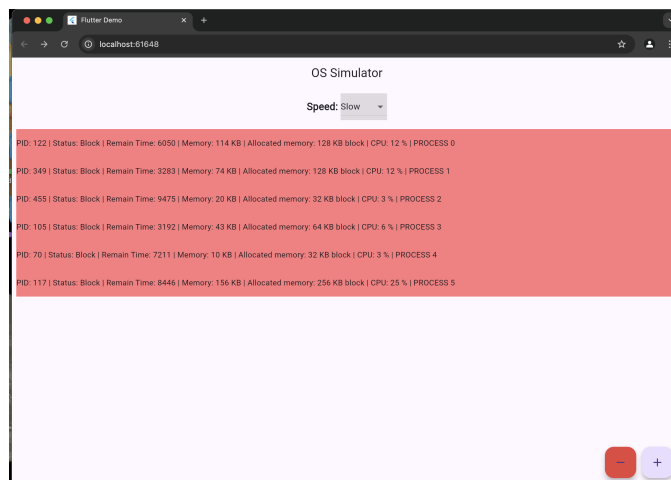
The two buttons are located in the **bottom right corner**. The **add button** will **add the processes** with randomized memory and time. The **stop button** will **block all of the processes** creating a total stop.



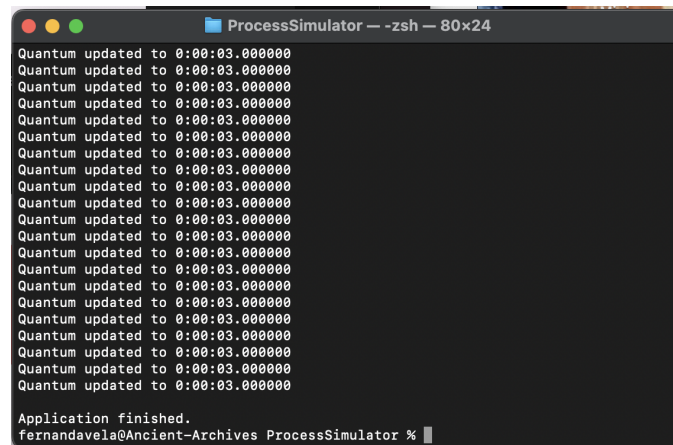
Use the add button in order to add the processes as you please. The processes that are not running are in a ready state. These processes will have a yellow background. The running processes will turn green.



When the stop button will block all of the processes and make a total stop. This will change the color of the processes to red.



In order to exit the program return to the terminal and just key in a **q**. This will exit the application and exit the chrome web window.



```
ProcessSimulator - zsh - 80x24
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
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Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Quantum updated to 0:00:03.000000
Application finished.
fernandaveia@Ancient-Archives ProcessSimulator %
```